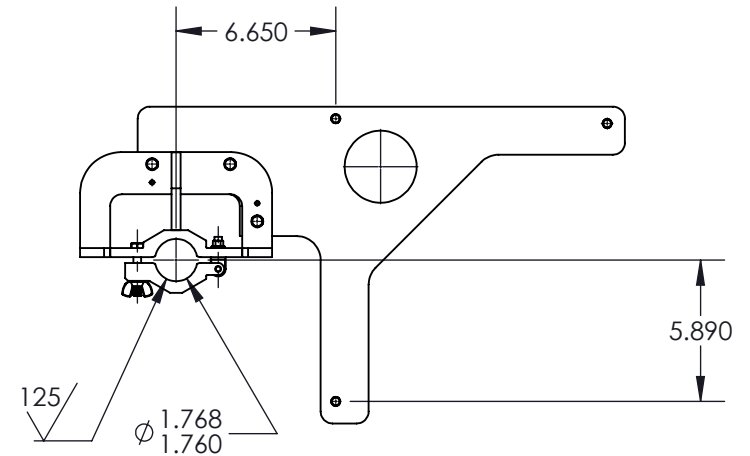
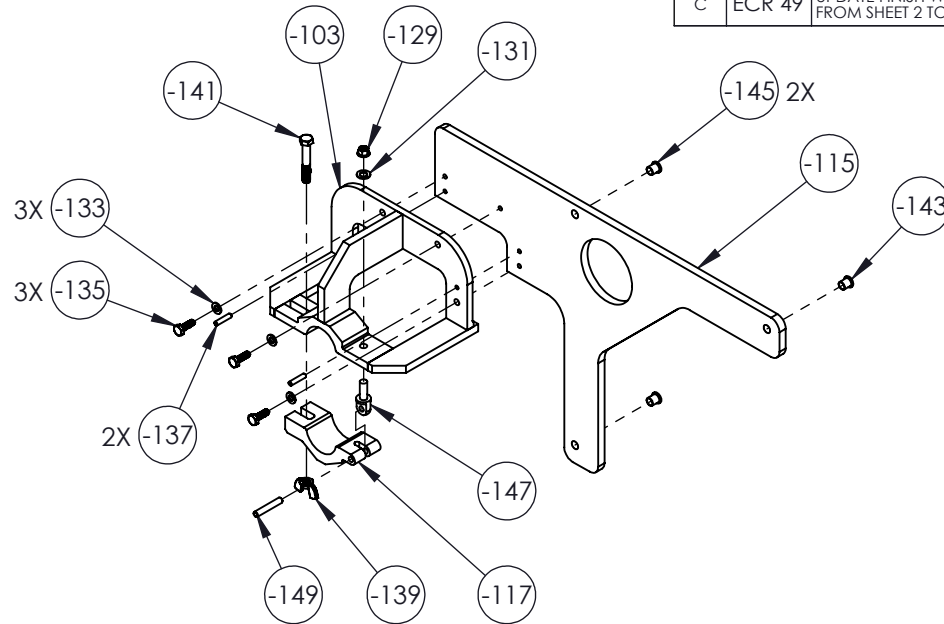


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REDRAWN IN SOLIDWORKS FROM TATTERED DRAWING. -115 CH'D LIMIT DIM WAS Ø.1875-.1870 IS .1875-.1880.-117 CH'D DIM WAS 4X R.04 IS 4X R.13. -127 CH'D DIM WAS 2X R.06 IS 2X R.13.	6/16/2014	DPD	RJC
2	15-0197	-103 ADDED DIM (5.25). -115 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE.	8/5/2015	RJC	JAG
C	ECR 49	UPDATE FINISH WAS CHEM FILM IS CLEAR ANODIZE TO -103, -115,-117. REMOVED REVISION BLOCK FROM SHEET 2 TO 9.	12/8/2020	SAD	SAD



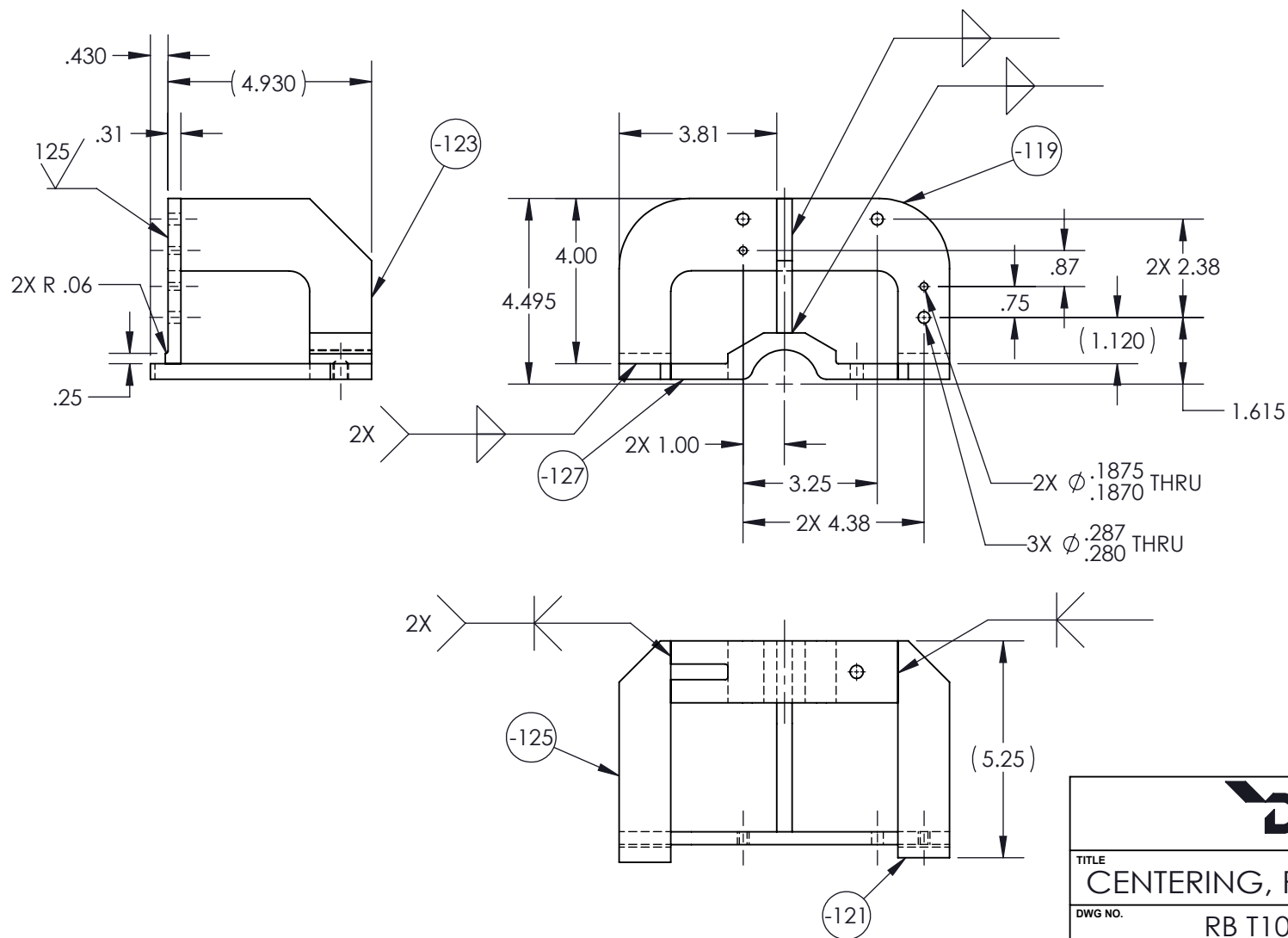
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-103	1	SUPPORT ASSEMBLY			2
			-115	1	BASE	6061		3
			-117	1	CLAMP	6061		4
	1		-119		BASE	6061		5
	1		-121		ARM	6061		6
	1		-123		ARM	6061		7
	1		-125		ARM	6061		8
	1		-127		HEAD	6061		9
		B/O	-129	1	NUT	STEEL	5/16-24 SPENCER #MS21042L5	1
		B/O	-131	1	WASHER	STEEL	Ø5/16 AIRCRAFT HARDWARE #AN960PD516	1
		B/O	-133	3	WASHER	STEEL	Ø1/4 AIRCRAFT HARDWARE #AN960PD416	1
		B/O	-135	3	BOLT	STEEL	1/4-20 AIRCRAFT HARDWARE #MS20074-04-06	1
		B/O	-137	2	DOWEL PIN	STEEL	Ø3/16 X 7/8 AIRCRAFT HARDWARE #MS16555-641	1
		B/O	-139	1	WING NUT	STEEL	5/16-24 AIRCRAFT HARDWARE #MS35426-29	1
		B/O	-141	1	BOLT	STEEL	5/16-24 AIRCRAFT HARDWARE #NAS6605-22	1
		B/O	-143	1	BUSHING	BRONZE	Ø3/8 O.D. AIRCRAFT HARDWARE #23-006C00-22-16	1
		B/O	-145	2	BUSHING	BRONZE	Ø3/8 O.D. AIRCRAFT HARDWARE #23-006C16-22-16	1
		B/O	-147	1	EYE BOLT	STEEL	5/16-24 AIRCRAFT HARDWARE #AN44-6	1
		B/O	-149	1	DOWEL PIN	STEEL	Ø1/4 X 1-1/2 AIRCRAFT HARDWARE #AN122721	1
	ASSY -103							

NOTE:
REF. BELL T/N: T103347 REV A.



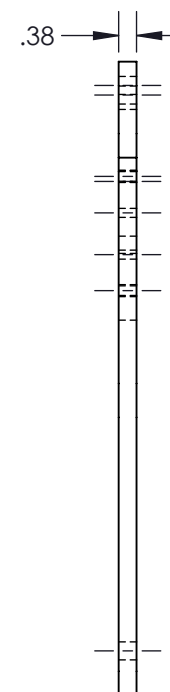
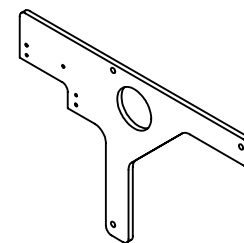
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101	REV C
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 .XX ± .03 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: DUERFELDT APPROVED: S.D. ROWEN HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 412
SCALE 1:8	DATE 6/12/2014
SHEET 1 OF 9	

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(-103)
SUPPORT ASSEMBLY

DART AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-103	REV C
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/32 .XX ± .03 ANGLES ± 5° .X ± .1	DRAWN BY: DUERFELDT APPROVED S. D BROWN HEAT TREAT FINISH CLEAR ANODIZED SPEC CLASS 1A USED ON MODEL BELL 412
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/12/2014
SHEET 2 OF 9	

[illegible]

-115
BASE



DWG NO.	RB T103347-101-115	REV C
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MAT'L 6061	DRAWN BY: DUERFELDT
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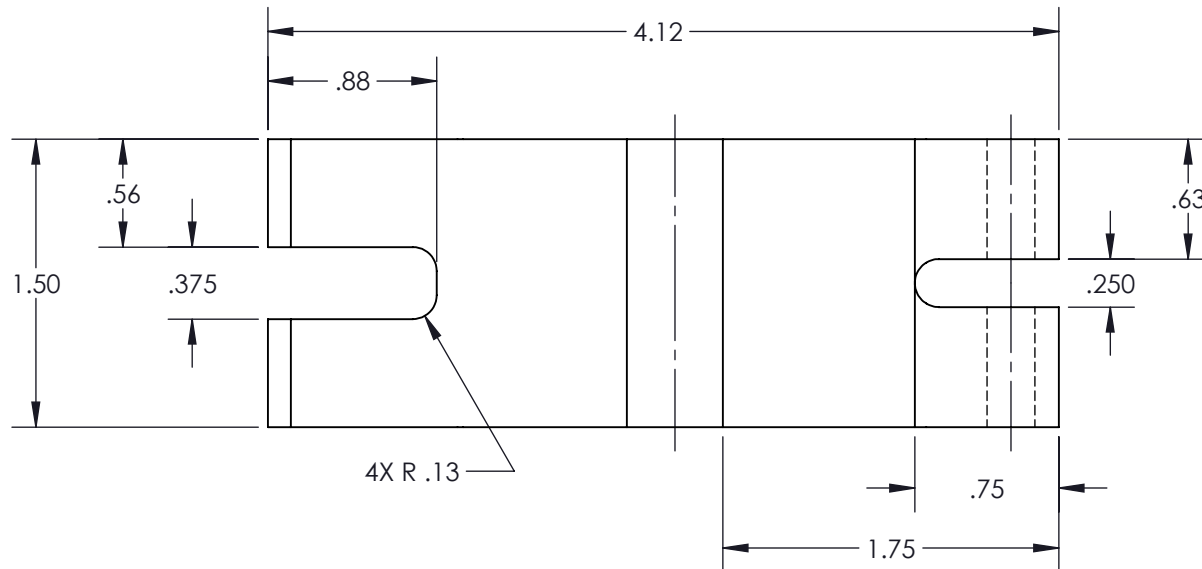
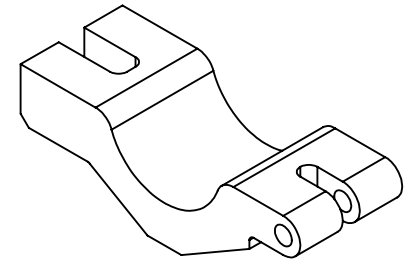
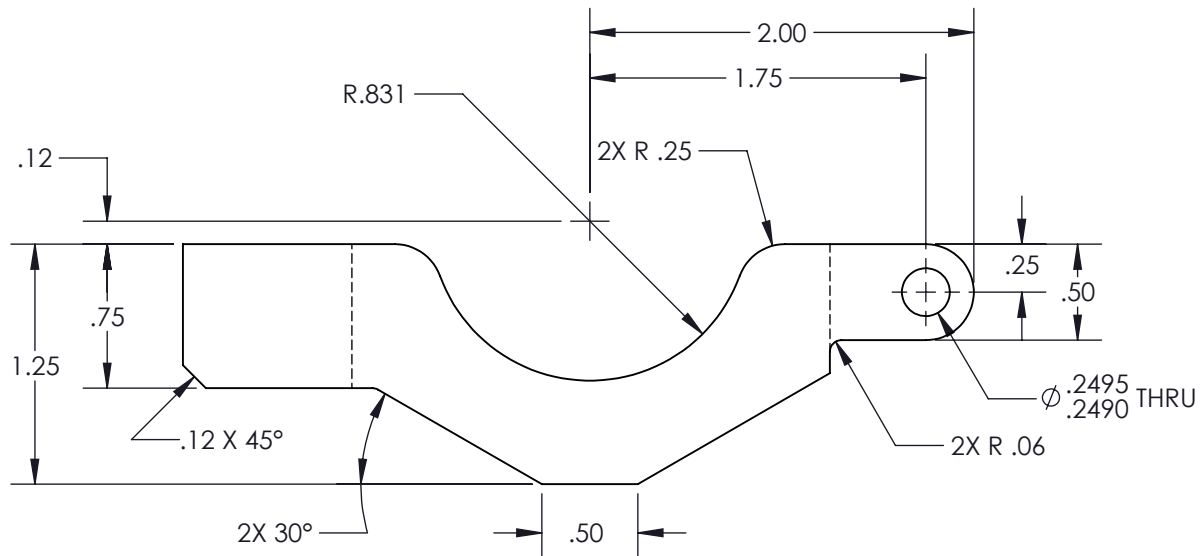
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>S. D. BROWN</i>
.XXX ± .010	FRACTIONS ± 1/32	HEAT TREAT
.XX ± .03	ANGLES ± 5°	FINISH CLEAR ANODIZED
X ± .1		

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC	CLASS 1A
	USED ON MODEL	

OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412

SCALE	1:4	DATE	6/12/2014	SHEET 3 OF 9
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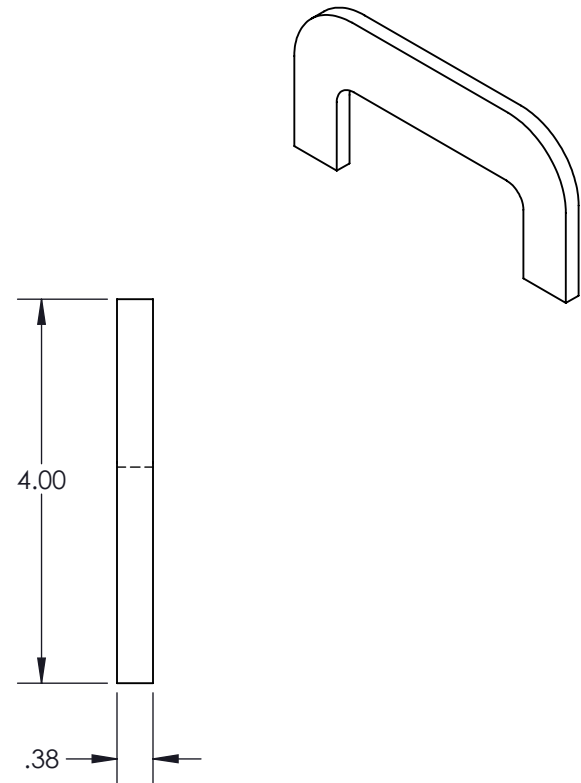
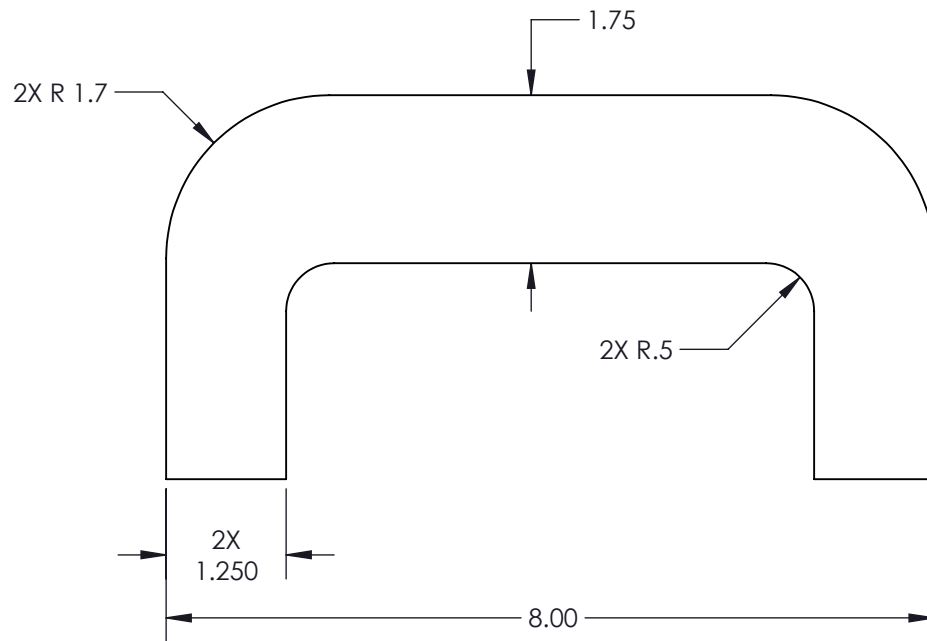


(-117)

CLAMP

DART AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-117	REV C
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>S. DROWIN</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH CLEAR ANODIZED
.X ± .1	SPEC CLASS 1A
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412
SCALE 1:1	DATE 6/12/2014
SHEET 4 OF 9	

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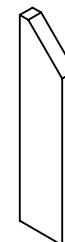
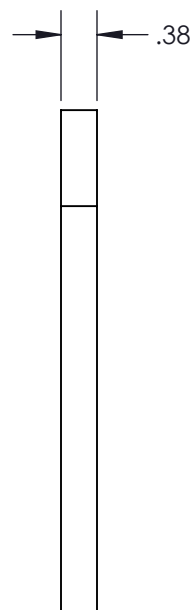
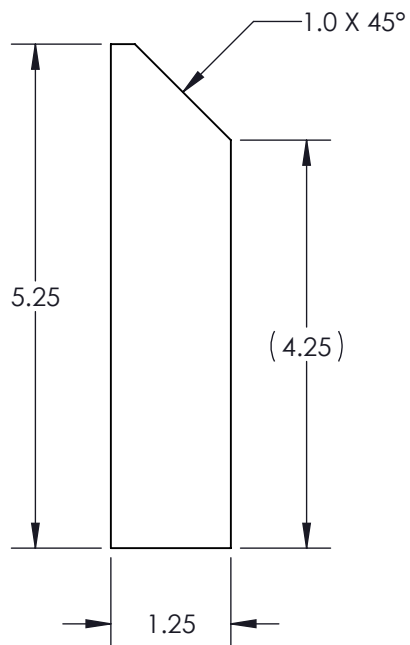


-119

BASE

DART AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-119	REV C
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>S. DROWN</i>
.XXX ± .010 FRACTIONS ± 1/32	HEAT
.XX ± .03 ANGLES ± 5°	TREAT
.X ± .1	FINISH SEE -103
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 412
SCALE 1:2	DATE 6/12/2014
	SHEET 5 OF 9

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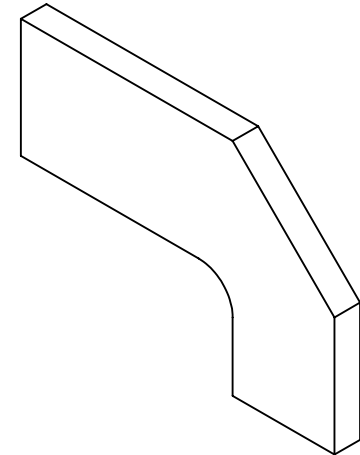
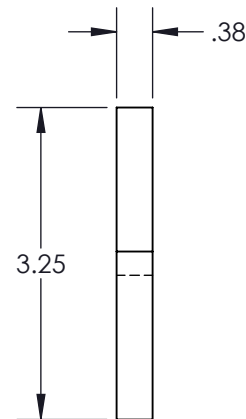
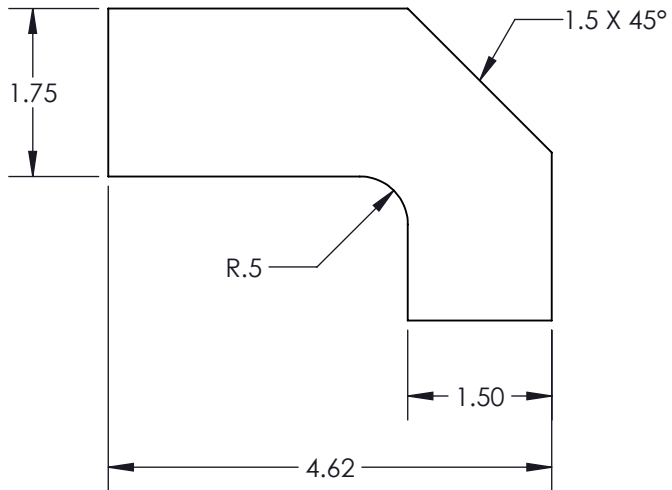
-121

ARM



TITLE		CENTERING, PILOTS CYCLIC STICK	
DWG NO.		RB T103347-101-121	
MAT'L 6061		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>S. D BROWN</i>	
.XXX ± .010 FRACTIONS ± 1/32		HEAT	
.XX ± .03 ANGLES ± .5°		TREAT	
.X ± .1		FINISH SEE -103	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
		BELL 412	
SCALE 1:2	DATE 6/12/2014	SHEET 6 OF 9	

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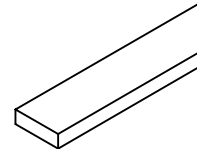
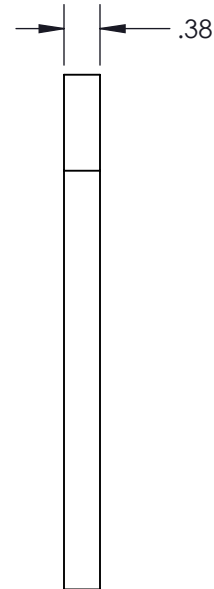
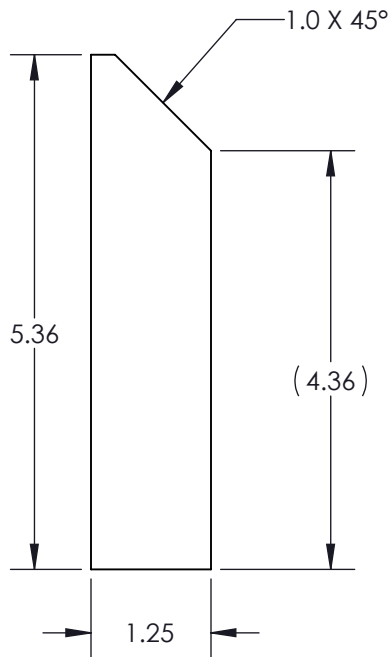


(-123)

ARM

DART AEROSPACE	
TITLE CENTERING, PILOTS CYCLIC STICK	
DWG NO. RB T103347-101-123	REV C
MAT'L 6061	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED S. D BROWN
.XXX ± .010 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .03 ANGLES ± .5°	FINISH SEE -103
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412
SCALE 1:2	DATE 6/12/2014
SHEET 7 OF 9	

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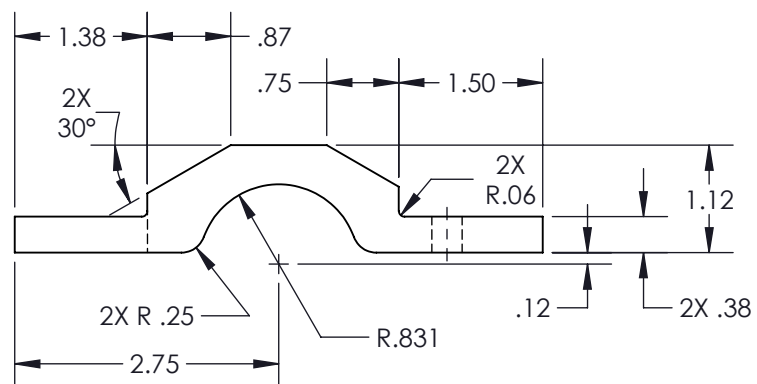
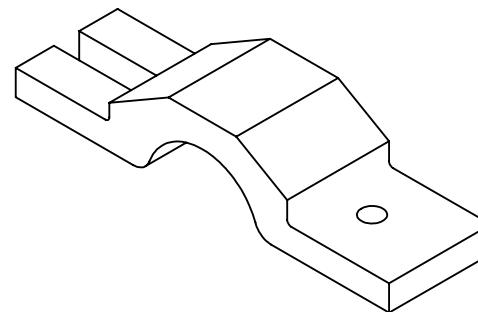


(-125)


ARM

DART AEROSPACE			
TITLE CENTERING, PILOTS CYCLIC STICK			
DWG NO. RB T103347-101-125		REV C	
MAT'L 6061		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>S. D BROWN</i>	
.XXX ± .010 FRACTIONS ± 1/32		HEAT	
.XX ± .03 ANGLES ± .5°		TREAT	
.X ± .1		FINISH SEE -103	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL	
		BELL 412	
SCALE 1:2	DATE 6/12/2014	SHEET 8 OF 9	

Technical drawing of a mechanical part, likely a bracket or plate, showing dimensions and features. The part has a total length of 5.50 and a total thickness of 1.50. The top surface is flat, while the bottom surface features a central slot with a width of .56 and a depth of .375. The slot is flanked by two vertical sections, each with a width of .75. The part is finished with a 2X R .06 fillet. A hole with a diameter of $\varnothing .319$ is located on the right side, with a distance of 1.75 from the center of the slot to the center of the hole. The hole has a tolerance of $\pm .012$ and is labeled "THRU".



-127

			
TITLE CENTERING, PILOTS CYCLIC STICK			
DWG NO. RB T103347-101-127			REV C
MAT'L 6061		DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>S. D. BROWN</i>	
.XXX ± .010 .XX ± .03 .X ± .1	FRACTIONS ± 1/32 ANGLES ± .5°	HEAT TREAT FINISH SEE -103	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		SPEC	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL BELL 412	
SCALE 1:2	DATE 6/12/2014	SHEET 9 OF 9	